



# RAW 1:1

## KETOGENIC

### BALANCED RECIPE

Formulated for Adult Dog Maintenance

AMOUNT			INGREDIENTS
1	5.3 ounce	→ 150 gram	Chicken Quarter W/ Skin
2	3.4 ounce	→ 95 gram	Pork, ground, 84% lean / 16% fat, raw
3	2.8 ounce	→ 80 gram	Beef, variety meats and by-products, heart, raw
4	1.8 ounce	→ 50 gram	Fish, mackerel, jack, canned, drained solids
5	1.1 ounce	→ 30 gram	Broccoli, raw
6	1.75 tbsp	→ 23.8 gram	Oil, coconut
7	0.4 ounce	→ 10 gram	Beef, variety meats and by-products, liver, raw
8	0.4 ounce	→ 10 gram	Beef, variety meats and by-products, kidneys, raw
9	0.4 ounce	→ 10 gram	Mollusks, oyster, eastern, canned
10	0.25 tsp	→ 1.5 gram	KAL Bone Meal
11	1.0 pill		Magnesium Bisglycinate
12	0.25 pill		Solgar Chelated Manganese 8mg
13	2.0 drops		Now E Oil
14	0.5 scoop		NOW Kelp Powder



### RECIPE ANALYSIS – AS FED

Calories	1000 kcal
Weight	16.2 ounce
Weight	460.3 gram
Moisture	66.70%
Protein	15.55%
Fat	16.93%
Carbohydrate	0.80%
Ash	0.97%
Ca:P	1.21

### RECIPE ANALYSIS – DRY MATTER

Calories	1000 kcal
Weight	5.4 ounce
Weight	153 gram
Moisture	0%
Protein	46.70%
Fat	50.84%
Carbohydrate	2.40%
Ash	2.91%
Ca:P	1.21

### ESSENTIAL NUTRIENTS – AMINO ACIDS

NRC Essential Nutrient Guidelines for Adult Dog Maintenance	RECIPE NUTRIENT AMOUNT	NRC RECOMMENDED ALLOWANCE
	Per 16oz (460g)	Per 1000kcal
Crude Protein	71.75 gram (g)	25.00 gram (g)
Arginine	3.75 gram (g)	0.88 gram (g)
Histidine	1.80 gram (g)	0.48 gram (g)
Isoleucine	2.54 gram (g)	0.95 gram (g)
Leucine	4.53 gram (g)	1.70 gram (g)
Lysine	4.92 gram (g)	0.88 gram (g)
Methionine	1.53 gram (g)	0.83 gram (g)
Methionine + Cystine	2.17 gram (g)	1.63 gram (g)
Phenylalanine	2.28 gram (g)	1.13 gram (g)
Phenylalanine + Tyrosine	4.37 gram (g)	1.85 gram (g)
Threonine	2.46 gram (g)	1.08 gram (g)
Tryptophan	0.86 gram (g)	0.35 gram (g)
Valine	2.78 gram (g)	1.23 gram (g)

### ESSENTIAL NUTRIENTS – FATTY ACIDS

NRC Essential Nutrient Guidelines for Adult Dog Maintenance	RECIPE NUTRIENT AMOUNT	NRC RECOMMENDED ALLOWANCE
	Per 16oz (460g)	Per 1000kcal
Total Fat	78.12 gram (g)	13.82 gram (g)
Linoleic Acid (LA)	7.33 gram (g)	2.80 gram (g)
Alpha-Linolenic Acid (ALA)	0.31 gram (g)	0.11 gram (g)
Eicosapentaenoic + Docosahexaenoic Acid (EPA+DHA)	0.69 gram (g)	0.11 gram (g)

### ESSENTIAL NUTRIENTS – VITAMINS

NRC Essential Nutrient Guidelines for Adult Dog Maintenance	RECIPE NUTRIENT AMOUNT	NRC RECOMMENDED ALLOWANCE
	Per 16oz (460g)	Per 1000kcal
Vitamin A	656.50 microgram (mcg)	379.00 microgram (mcg)
Vitamin D	4.41 microgram (mcg)	3.40 microgram (mcg)
Vitamin E	59.39 milligram (mg)	7.50 milligram (mg)
Vitamin K	0.03 milligram (mg)	milligram (mg)
Vitamin B1 (Thiamine)	0.73 milligram (mg)	0.56 milligram (mg)
Vitamin B2 (Riboflavin)	1.96 milligram (mg)	1.30 milligram (mg)
Vitamin B3 (Niacin)	24.61 milligram (mg)	4.25 milligram (mg)
Vitamin B5 (Pantothenic Acid)	5.02 milligram (mg)	3.75 milligram (mg)
Vitamin B6 (Pyridoxine)	1.60 milligram (mg)	0.38 milligram (mg)
Vitamin B9 (Folate & Folic acid)	69.90 microgram (mcg)	67.50 microgram (mcg)
Vitamin B12 (Cobalamin)	22.56 microgram (mcg)	8.75 microgram (mcg)
Choline	216.59 milligram (mg)	425.00 milligram (mg)

### ESSENTIAL NUTRIENTS – MINERALS

NRC Essential Nutrient Guidelines for Adult Dog Maintenance	RECIPE NUTRIENT AMOUNT	NRC RECOMMENDED ALLOWANCE
	Per 16oz (460g)	Per 1000kcal
Calcium	1.81 gram (g)	1.00 gram (g)
Phosphorus	1.49 gram (g)	0.75 gram (g)
Magnesium	150.45 milligram (mg)	150.00 milligram (mg)
Potassium	1.04 gram (g)	1.00 gram (g)

Sodium	494.20 milligram (mg)	200.00 milligram (mg)
Chloride	741.30 milligram (mg)	300.00 milligram (mg)
Iron	8.16 milligram (mg)	7.50 milligram (mg)
Copper	1.98 milligram (mg)	1.50 milligram (mg)
Zinc	15.37 milligram (mg)	15.00 milligram (mg)
Manganese	1.83 milligram (mg)	1.20 milligram (mg)
Selenium	115.43 microgram (mcg)	87.50 microgram (mcg)
Iodine	250.00 microgram (mcg)	220.00 microgram (mcg)

#### RECIPE ANALYSIS NOTES

Vitamin K	Dogs also have the ability to create Vitamin K in the colon through fiber fermentation and the recipe is 0.40mg short of Vitamin K. This is not to say feeding Vitamin K is not beneficial; but the diet does not need to provide 100% daily recommended allowances to support optimal health. Adding additional fiber based vegetables to the recipe will provide insoluble fiber to support this fermentation process.
Choline	High protein diets with sufficient levels of Folic Acid reduces the need for Choline and the recipe is 241.30mg short of Choline recommended allowance (RA). When the diet provides enough amino acids and Folic Acid, Choline is created in the liver. This is not to say feeding Choline is not beneficial; but the diet does not need to provide 100% daily recommended allowances to support optimal health.